

Work Order ID 83587

83587

Page 1

April-19-12 3:50:06 PM

Item ID: D3628-1

Revision ID:

Item Name: Cupped Washer

Start Date: 19/04/2012 Start Qty: 200.00

Required Date: 03/05/2012 Req'd Qty: 200.00

Reference:

Approvals:

Process Plan: MLJ

Date: 12/04/19 Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Run Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3628	Rev B								

100

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 16784

Email or Ship DXF file to vendor

Laser Cut D3628-1 flat pattern and form as per Dwg D3628

Possible Supplier: GFI

Material release note is required

0.00

0.00

CZ 12/04/20 500

110

110

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

Ensure material certification is attached

0.00

0.00

14/04/11 (SW)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Page 2

Quality Control

500

12.05.14

Sou

12/5/14 sf

12/5/15

MF
12-05-15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

* April-19-12 3:50:10 PM

Page 1

Work Order ID: 83587

83587

Parent Item: D3628-1

D3628-1

Parent Item Name: Cupped Washer

Start Date: 19/04/2012

Required Date: 03/05/2012

Start Qty: 200.00

Required Qty: 200.00

Comments:

IPP Rev:A New Issue 07-05-28 JLM

IPP Rev:B Removed Powder 07-07-11 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3628-1P

Purchased

No

110

Each

0.0000

1

~~200~~

**

500

D3628-1P

CUPPED WASHER

4/23/12 *(JLM)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

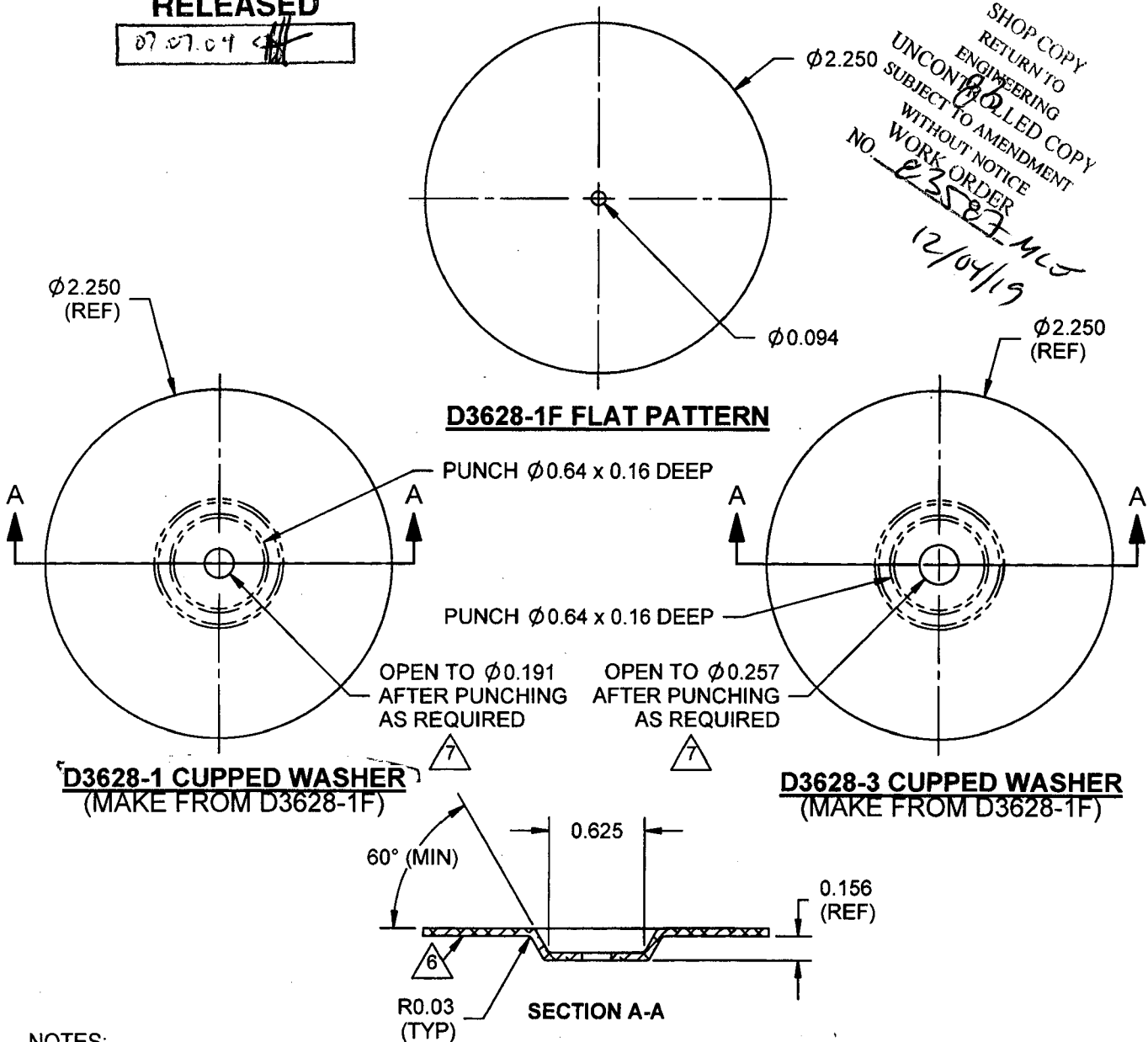
NOTE: Date & initial all entries

DART

DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED [Signature]	DRAWING NO. D3628	REV. B SHEET 1 OF 1
DATE 07.07.09	TITLE CUPPED WASHER SCALE 1:1		
REV	DATE	DESCRIPTION	
A	07.06.08	NEW ISSUE	
B	07.07.09	REMOVE POWDER COAT	

RELEASED07.07.09 **[Signature]**

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. **23587**
12/04/19

**NOTES:**

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET, 18 GAUGE (0.050 THICK) PER MIL-S-5019 (REF DART SPEC M304S18GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010 MAX
- 6) IDENTIFY WITH DART P/N "D3628-1/-3" USING FINE POINT PERMANENT INK MARKER ON THE UNDERSIDE OF THE PART AS INDICATED
- 7) WHEN DRILLING OUT THE CENTRE HOLE AFTER PUNCHING, ENSURE THAT THE HOLE IS DRILLED CONCENTRIC TO THE CUPPED AREA, WITHIN 0.03

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W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16784

Purchase Order Date 4/20/12

PO Print Date 4/20/12

Page Number 1 of 1

Order From :

VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	514 630 4877	Requisition Nbr	
Vendor Fax	514 630 4849	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To :

DART AEROSPACE LTD

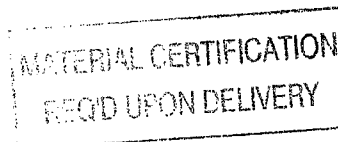
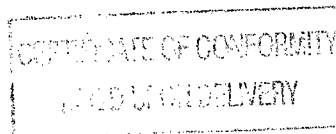
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
	D3628-1P	CUPPED WASHER	5/14/12 Yes	500.00 Each	FedEx PI collect	\$2.4160	\$1,208.00

Special Inst: AS PER DWG D3628 REV. B
B83587

PO Total: \$1,208.00



Change Nbr: 1

Change Date: 4/20/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable.



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO.		PAGE
DD	MM	AN	YY		
09	05	12		0487376	1/1




VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE	N° DE CONTRAT / JOB NO.	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299	0249151	PO16784	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO.	DESCRIPTION
500	D3628-1P	CUPPED WASHER CERTIFICATE OF CONFORMANCE REQ
<p>MFG. JOB# <u>10249151-001</u> QTY <u>500</u></p> <p>DUE DATE: <u>14 MAY 2012</u></p> <p><i>Att</i></p> 		

EXPÉDITEUR / SHIPPER

N° DE BON DE LIVRAISON / SHIPPING MEMO NO.



RECU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES

CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. <u>9</u>		OUR JOB NO <u>J0249151</u>		SHIPPING MEMO <u>0487376</u>	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME
<u>500 PCS</u>	<u>PO16784</u>	<u>D3628-1P</u>	<u>B</u>	<u>CUPPED WASHER</u>	<u>B</u>
MATERIAL		SUPPLIED BY		MAT. REL. NO.	
<u>AMS 5513 304 ANN</u>		<u>TW METALS / ALLEGHENY LUDLUM</u>		<u>H/N # 950297</u>	

#	PROCESS	PROCESSOR	RELEASE NOTE #
1	FIRST ARTICLE INSPECTION REPORT ON FILE	GFI	N/A
2	REF. GFI MANUFACTURING JOB NUMBER J0249151-001(500 PCS)	GFI	N/A
3			
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 09 MAY 2012

G.F.I. Q.C. REP.



**DP12-001 REV 0 Bombardier Certificate of Compliance
TW Metals District Procedure**

Revision: 0

Revision Date: 04-03-00

Superseding: Initial

Page: 1 of 1

CERTIFICATE OF COMPLIANCE**FRAUD AND FALSIFICATION STATEMENT**

The recording of false, fictitious, or fraudulent statements or entries on this document may be punished as a felony under federal statutes including federal law. Title 18 chapter 47.

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications.

MERCURY FREE STATEMENT

We certify that mercury, radium, or alpha bearing instruments and / or equipment which might cause contamination have not been used in the manufacture, fabrication, assembly or testing of any material supplied by TW Metals Inc. Switches, glass thermometers, standard cell and other items containing the above elements may be used, but they will be located so as not to constitute a contamination hazard.

CUSTOMER NAME:

GFI, Inc

PURCHASE ORDER No.

0080573

ITEM No.

0001

SHIPPER INVOICE No.

12094167

MATERIAL:

304 Ann

SPECIFICATION:

Ams 5573

MANUFACTURING MILL:

ATI

SIZE:

050

HEAT / LOT No.

950297

PART No.

T505048X964A

QUANTITY:

65 #

TEST DEPARTMENT CLERK

Janice Clark**AUTHORITY**

Joe Schab

Director of Quality Assurance

This document is maintained as a Controlled Document only in the TW Metals computer system. Once printed, this document immediately becomes Uncontrolled and is subject to change at any time and without notice.

NOTICE OF SHIPMENT/
PACKING LIST

CERTIFICATE OF TEST

AL 6168-A-121

CUST ORD NO & DATE 01020105		CUST CODE 101/18/12 110977		LOUISVILLE, OH		SHIPPER NO 529118		PRODUCT CODE 13020102060000		BILL ORDER NUMBER 30-012-310		DATE SHIPPED 02/29/12	
FORMS INSTRUCTIONS 1 SHIP TO: 1		SPECS 82037-5		DO RATE 26		PRI. CTRY OH		SHIP TO 1124 LOUISVILLE		SHIPPING LOCATION OH		INVOICE 240006	
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015				PRIME SEC. DSO DSO 516				SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015					

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2008) (ASTM-A-240-11A) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (P&W 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - GREEN LINES TRANSP., INC.

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	LIFT #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID
001	1	48./1.050/2440.	950297	02082N424	L252765	19920	40	19860		844008		
C CUST IDENTITY 00624												
1 SKID												
						19920	40	19880				

TYPE HEAT/TEST	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--W--
HEAT 950297	.020	1.79	.032	.001	.43	18.37	8.06	.33	.48	.08
TEST LOCATION	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI
CHECK L252765	.019	1.80	.032	.001	.42	18.41	8.06	.33	.48	.07
TEST LOCATION	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	CORROSION	GRAIN	HARDENABILITY
001 L252765	T 46400.	96500.	68.		86.HRBW	T PASS	A 262 PR E	SIZE 9.	
TEST LOCATION	TC	TC	TC		84.HRBW	TC	PASS	TC	
* Y.S. BY 0.2% OFFSET METHOD									
ITEM TEST NO	CORROSION	MELT	T-YIELD	P&W E-25					
001 L252765	ISO 3651-2	SOURCE	1%	TRAN BEND					
	PASS	1.	54000.	2.					
TEST LOCATION	TC		TC	TC					

REVIEWED BY Q.C.

Date 3/2/12 by [Signature]

TEST LOCATION TC TC TC
PAGE 01 - CONTINUED ON PAGE 02

02/29/12 08:46:05

UNITED PERFORMANCE METALS

This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:
3475 Symmes Road Hamilton, OH 45015

Size 48 X 96
P.O. D12014374
Part#
Sales # 01188077
Quantity 1

Description 304L ANN 045-052 AMS5510
Customer CSI, INC.
Shipped 04/02/2012
Heat 950297

DISCLAIMER: Please Note: This commitment was limited to the effect of the data contained herein. It is not intended to constitute a warranty for loss or damage in shipment. For your information, please advise us of any change in the description of the material. Any change in the description of the material will be subject to our approval. We do not accept liability for any loss or damage in shipment.

Warning: Safety Data Sheet for this product has been supplied to your Purchasing Dept. For an additional copy, please call 724-226-5980. Call 724-226-5980 for more information. Safety Data Sheets for further information.

WARNING: Les fiches d'information sur la sécurité ont été fournies à votre département d'achat. Pour obtenir ces fiches, veuillez téléphoner au service client 724-226-5980. Appelez les numéros d'urgence en cas d'urgence. Les fiches d'information sur la sécurité sont disponibles sur demande. Les fiches d'information sur la sécurité sont disponibles sur demande. Les fiches d'information sur la sécurité sont disponibles sur demande.

The above is a true copy of data on file. The material and test results conform to the data contained and specified herein. The test results are the property of Allegheny Ludlum and are not to be used for any other purpose without the written consent of Allegheny Ludlum.

Responsible Person: [Signature]
Date: 02/29/12

NOTICE OF SHIPMENT/
PACKING LIST

CERTIFICATE OF TEST

AL 6106-J 121

CUST ORD NO & DATE	01020105	01/18/12	110977	LOUISVILLE, OH	529118	13020102060000	130-012-310	02/29/12
FORMS DISTRIBUTION	SOLD TO	SHIP TO	SHIP TO	SHIP TO	SHIP TO	SHIP TO	SHIP TO	SHIP TO
1	1	1	1	1	1	1	1	1
UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS	UNITED PERFORMANCE METALS
3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD	3475 SYMMES ROAD
HAMILTON	HAMILTON	HAMILTON	HAMILTON	HAMILTON	HAMILTON	HAMILTON	HAMILTON	HAMILTON
OH 45015	OH 45015	OH 45015	OH 45015	OH 45015	OH 45015	OH 45015	OH 45015	OH 45015

GRADE AND SPECIFICATIONS

CARRIER - GREEN LINES TRANSP., INC.

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2008) (ASTM-A-240-11A) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PW, 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

FLAT NON-WELDED TEST PIECE WAS USED FOR ISO 3651-2 INTERGRANULAR CORROSION TEST. T1 SENSITIZATION HEAT TREATMENT WAS PERFORMED ON LOW CARBON AND STABILIZED GRADES.

DIN EN 10204:2005 - 3.1 ATI ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

MATERIAL WAS SOLUTION ANNEALED AT 1900F (1038C) MINIMUM FOR A TIME COMMENSURATE WITH THICKNESS AND RAPIDLY COOLED WITH AIR AND WATER.

ATI ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS.

NO WELDS/WELD REPAIRS PERFORMED.

WESTMORELAND MECHANICAL TESTING & RESEARCH, YOUNGSTOWN, PA (71869) IS A GRAE S400 AND ISO/IEC 17025 APPROVED FACILITY.

PAGE 02 - CONTINUED ON PAGE 03

02/29/12 08:46:05

UNITED PERFORMANCE METALS
This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:
3475 Symmes Road Hamilton, OH 45015

Size 48 X 96
P.O. 018014374
Part
Sales # 01188077
Quantity 1

Description 304L ANH 045-052 ANH5513
Customer GFI INC
Shipped 06/30/2012
Heat 950297

DISCLAIMER: Product: The information is limited over to that of the last time, being correctly issued, at which time the information was last issued. It is not intended to be used for any purpose other than that for which it was issued. It is not intended to be used for any purpose other than that for which it was issued. It is not intended to be used for any purpose other than that for which it was issued.

Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy, please call 724-226-5980. Call our Purchasing Department for more information. For an additional copy, please call 724-226-5980. Call our Purchasing Department for more information.

WARNING: Les fiches d'information doivent être présentées aux personnes à votre département d'achat des produits. Pour obtenir des exemplaires supplémentaires, veuillez téléphoner au numéro sans frais 724-226-5980. Attention: les renseignements concernant la production de produits, pour lesquels les données sont fournies, ne doivent pas être utilisés pour d'autres produits. Pour plus de renseignements, se référer aux fiches d'information.

The above is a true copy of data on file. The maker's and test results conform to the above material and specifications used (both in Allegheny Ludlum's Order Acknowledgment).

Signature: [Signature]

NOTICE OF SHIPMENT/
PACKING LIST

CERTIFICATE OF TEST

AL 0168-4 121

CUST ORD NO & DATE 01020105		CUST CODE 01/18/12 110977		ACCEPTING MILL LOUISVILLE, OH		SHIPPER NO 529118		PRODUCT LX22E 13020102060000		MILL ORDER NUMBER 30-012-310		DATE SHIPPED 02/29/12	
FORMS DISTRIBUTION SOLD TO 1 SHIP TO 1 SPEC TO		SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		REPEAT ORDER 82037-5		DO RATE 26		MATERIAL 1124 LOUISVILLE		SHIPPING LOCATION OH		INVOICE 240006	
				PRIME SEC. DSO DSO 516		SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015							

UNITED PERFORMANCE METALS

This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:
3475 Symmes Road Hamilton, OH 45015

Size 48 X 96
P.O. 0102010374
Part#
Sales # 01189077
Quantity: 1

Description 304L ANN 045-052 AMS5513
Customer: GFL INC
Shipped 04/30/2012
Heat 955237

GRADE AND SPECIFICATIONS

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2008) (ASTM-A-240-11A) (S-1000 DATED 8/1/2011) (ASNE-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PW, 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

CARRIER - GREEN LINES TRANSP., INC.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 19 DATED 06/09/2010.

ATI ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX 1, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI ALLEGHENY LUDLUM GEAR S400 APPROVED FACILITIES (T1225 & T9317):
NATRONA HEIGHTS, PA TECHNICAL CENTER; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

PAGE 03 - CONTINUED ON PAGE 04

02/29/12 08:46:05

CAUTION: Please Note - This information was derived from a material test report, being correctly handled in which time is responsibility for loss or damage to equipment caused. For your information please contact shipment as it arrives. If any shortage or damage is discovered, note a lot description must be inspection agent as receipt before spring.

Material Safety Data Sheets for this product form have been provided in your packaging. For an additional copy, please call 724-226-5980. CAUTION: Processing of materials forms, dust, or fumes may cause lung disease. See Material Safety Data Sheets for further information.

WARNING

Les fiches d'information sécurité de ce produit ont été fournies à votre équipement chargé de la tâche. Pour obtenir des renseignements supplémentaires, veuillez appeler le numéro suivant 724-226-5980. Attention: les vapeurs émises lors de la perforation de supports peuvent nuire à la santé. Les causes de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information sécurité.

This document is a copy of data on file. The material and test results conform to the sales contract and specifications as set forth in Allegheny Ludlum's Sales Acknowledgment.

Stephen W. B. [Signature]
Product Control Director

UNITED PERFORMANCE METALS
This is to certify that in accordance with the records in our files the material shipped on your purchase order conforms to the following:
3475 Symmes Road Hamilton, OH 45015

Size 48 X 98
P.O. 01204374
Part#
Sales # 01168077
Quantity 1

Description 304L ANN C45-052 AMS5513
Customer: CEFINC
Shipped 04/30/2012
Heat 950287

Irina Garrett

NOTICE OF SHIPMENT/
PACKING LIST

CERTIFICATE OF TEST

AL 616B-1 121

CUST. ORD. NO. & DATE	CUST. CODE	ACCEPTING MTL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
01020105 01/18/12	110977	LOUISVILLE, OH	529118	13020102060000	30-012-310	02/29/12
FORMS INSTRUCTIONS	REPEAT ORDER	DO RATE	PRV. ORDRY	SHIP TO	SHIPPING LOCATION	INVOICE
SOLD TO 1 SHIP TO 1 SPEC	82037-5	26		1124 LOUISVILLE	OH	240006
SOLD TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015			SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015			

GRADE AND SPECIFICATIONS

CARRIER - GREEN LINES TRANSP., INC.

"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 2248G) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2008) (ASTM-A-240-11A) (S-1000 DATED 8/1/2011) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PW 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS)

ATI ALLEGHENY LUDLUM HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP, ISO/IEC 17025, GRAE S400, GRAE S-1000. REFER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ATI AL QUALITY CERTIFICATIONS.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

1. MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

MI - ATI-ALLEGHENY LUDLUM; 950 TENTH STREET; MIDLAND, PA 15059

TC - ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

FOR ACCESS TO ONLINE CERTIFICATES OF TEST
REGISTER AT WWW.ALCEXTRA.COM

ISSUED BY ATI ALLEGHENY LUDLUM - 02/29/2012 09:38
BRENDA MORAN - SHIPPING DEPT.

PAGE 04 - FINAL PAGE

DISCLAIMER: Please Note: This computerized report was generated by a computer program and is not intended to be used as a substitute for a physical inspection of the material. The user assumes all responsibility for the loss or damage to the material. If any damage or loss is reported, the user must provide a description of the damage or loss in writing to the manufacturer within 30 days of the date of receipt of the material. The manufacturer will not be responsible for any damage or loss to the material if the user does not provide a description of the damage or loss in writing within 30 days of the date of receipt of the material.

Warning: Safety Data Sheet for this product has been supplied to the Purchasing Department for an alternative use. Please call 724-226-5980 for more information. The user assumes all responsibility for the loss or damage to the material if the user does not provide a description of the damage or loss in writing within 30 days of the date of receipt of the material.

Warning: Les fiches d'information sécurité du produit ont été fournies à un département chargé des achats. Pour obtenir des renseignements supplémentaires, veuillez téléphoner au numéro suivant 724-226-5980. Attention: Les utilisateurs assument la responsabilité de la perte ou de l'endommagement du matériel si la cause de l'endommagement n'est pas déclarée dans un délai de 30 jours de la réception du matériel.

The above is a true copy of data on file. The material and test results conform to the requirements and specifications as set forth in Allegheny Ludlum's Data Sheet.

Stephen V. Hill